

CUSTOMER NO.: 24498

Serial No. 09/883,635

Reply to Office Action dated: 10/06/05

Response dated: 01/06/06

**PATENT
PU010092**

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) In a rewritable storage medium, a method for changing a playback speed of a selected video segment having a progressive frame structure which has been recorded on a portion of said storage medium comprising the steps of:

modifying said selected video segment for a changed playback speed; and
recording said modified video segment exclusively on said portion of said medium.

2. (original) The method according to claim 1, further comprising the step of deleting a plurality of non-video packs in said selected video segment to reduce an amount of data contained in said modified video segment.

3. (original) The method according to claim 1, further comprising the step of reducing a resolution of at least one frame contained in said modified video segment.

4. (original) The method according to claim 1, further comprising the step of lowering a bit rate of said modified video segment during said recording step.

5. (original) The method according to claim 1, wherein said video segment is comprised of intra and non-intra frames and said modification comprises the step of decoding each said intra frame and selectively decoding at least one said nonintra frame.

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6. (Currently Amended) The method according to claim 5, further comprising the step of inserting into said selected video segment at least one of the group consisting of dummy pictures and repeat pictures, wherein the dummy pictures and the repeat pictures are duplicates of at least one of particular intra frames and particular non-intra frames in the selected video segment, the dummy pictures having discrete cosine transform (DCT) coefficients and motion vectors set to zero.

7. (original) The method according to claim 6, wherein the number of said dummy pictures and said repeat pictures inserted into said selected video segment is based on said changed playback speed.

8. (original) The method according to claim 7, further comprising the step of selectively decoding and re-encoding said modified video segment for conventional placement of said dummy pictures, said repeat pictures, and said Intra and non-intra frames.

9. (original) The method according to claim 1, wherein said video, segment is comprised of intra and non-intra frames and said modification comprises the step of decoding all said intra and said non-intra frames.

10. (Currently Amended) The method according to claim 9, further comprising the step of inserting at least one of the group consisting of dummy pictures and repeat pictures into said selected video segment, wherein the dummy pictures and the repeat pictures are duplicates of at least one of particular intra frames and particular non-intra frames in the selected video segment, the dummy pictures having discrete cosine transform (DCT) coefficients and motion vectors set to zero.

11. (original) The method according to claim 10, wherein the number of

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said dummy pictures and said repeat pictures inserted into said selected video segment is based on said changed playback speed.

12. (original) The method according to claim 1, wherein said video segment is comprised of intra and non-intra frames and said modification comprises the step of removing at least one frame from the group consisting of said intra and nonintra frames.

13. (original) The method according to claim 1, wherein said video segment is comprised of intra and non-intra frames and said modification comprises the steps of:

decoding said intra and non-intra frames; and

removing at least one field from at least one of said intra and non-intra frames.

14. (original) A system for changing a playback speed of a selected video segment having a progressive frame structure recorded on a rewritable storage medium, comprising:

storage medium reading circuitry for selectively reading a video segment which has been recorded on a portion of said rewritable storage medium;

a video processor for modifying said selected video segment for a changed playback speed; and

video recorder circuitry for recording said modified video segment exclusively on said portion of said storage medium.

15. (original) The system according to claim 14, wherein said video processor deletes a plurality of non-video packs in said selected video segment to reduce an amount of data contained in said modified video segment.

16. (original) The system according to claim 14, wherein said video

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processor reduces a resolution of at least one frame contained in said modified video segment.

17. (original) The system according to claim 14, wherein said video processor lowers a bit rate of said modified video segment during said recording step.

18. (original) The system according to claim 14, wherein said video segment is comprised of intra and non-intra frames and said video processor decodes each said intra frame and selectively decodes said at least one said non-intra frame.

19. (Currently Amended) The system according to claim 18, wherein said video processor inserts into said selected video segment at least one of the group consisting of dummy pictures and repeat pictures, wherein the dummy pictures and the repeat pictures are duplicates of at least one of particular intra frames and particular non-intra frames in the selected video segment, the dummy pictures having discrete cosine transform (DCT) coefficients and motion vectors set to zero.

20. (original) The system according to claim 19, wherein the number of said dummy pictures and said repeat pictures inserted into said selected video segment is based on said changed playback speed.

21. (original) The system according to claim 20, wherein said video processor selectively decodes and re-encodes said modified video segment for conventional placement of said dummy pictures, said repeat pictures and said intra and non-intra frames.

22. (original) The system according to claim 14, wherein said video

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segment is comprised of intra and non-intra frames and said video processor decodes all said intra and said non-intra frames.

23. (Currently Amended) The system according to claim 22, wherein said video processor inserts at least one of the group consisting of dummy pictures and repeat pictures into said selected video segment, wherein the dummy pictures and the repeat pictures are duplicates of at least one of particular ones of the intra frames and particular ones of the non-intra frames in the video segment, the dummy pictures having discrete cosine transform (DCT) coefficients and motion vectors set to zero.

24. (original) The system according to claim 23, wherein the number of said dummy pictures and said repeat pictures inserted into said selected video segment is based on said changed playback speed.

25. (original) The system according to claim 14, wherein said video segment is comprised of intra and non-intra frames and said video processor removes at least one frame from the group consisting of said intra and non-intra frames.

26. (original) The system according to claim 14, wherein said video segment is comprised of intra and non-intra frames and said video processor:
decodes said intra and non-intra frames; and
removes at least one field from at least one of said intra and non-intra frames.